Request to Archive
With The National Centers for Environmental Information
For Malawi Precipitation Strip Charts
Provided by IEDRO

2015-02-20

This information will be used by NCEI to conduct an appraisal and make a decision on the request.

1. Who is the primary point of contact for this request?

Larry Nicodemus

IEDRO

Retired NCDC Meteorologist/IEDRO Volunteer

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Larry.Nicodemus@gmail.com

Use e-mail or telephone

2. Name the organization or group responsible for creating the dataset.

IEDRO > International Environmental Data Rescue Organization

3. Provide an overview summarizing the scope of data you want to archive. Describe the outputs, data variables, including their measurement resolution and coverage.

Paper records of daily precipitation strip charts were imaged and are waiting for digitization by an automated strip chart digitization to obtain 10-15 minute precipitation values in Inches to hundredths.

4. What is the time period covered by the dataset? (YYYY-MM-DD, YYYY-MM or YYYY)

From 1973 to 1990

5. Edition or version number(s) of the dataset:

N/A

6. Approximate date when the dataset was or will be released to the public:

2016-12-31

7. Who are the expected users of the archived data? How will the archived data be used?

Researchers, educators, agricultural and scientific model developers, economists, planners, etc.

8. Has the dataset undergone user evaluation and/or an independent review process? Did NCEI participate in design reviews?

Images are received at IEDRO Heaqdquarters and reviewed for legibility, clarity and completeness. Inventories are built which reflect missing images within the POR supplied. Data files are renamed to indicate station number, date observations on the form were obtained and original image number created by the camera software. Digitized observations are visually inspected, independently triple keyed, compared to each other. All discrepancies are noted and either corrected or re-keyed as required. All archived data values must agree with the 3 independently keyed data values before they are archived.

9. Describe the dataset's relationship to other archived datasets, such as earlier versions or related source data. If this is a new version, how does it improve upon the previous version(s)?

Data values may be added to existing data sets or may be introduced as a new data set.

10. List the input datasets and ancillary information used to produce the data.

Imaged daily precipitation strip charts will be used to extract 10-15 minuted precipitation values.

11. List web pages and other links that provide information on the data.

None currently available.

12. List the kinds of documents, metadata and code that are available for archiving. For example, data format specifications, user guides, algorithm documentation, metadata compliant with a standard such as ISO 19115, source code, platform/instrument metadata, data/process flow diagrams, etc.

1. Electronically imaged strip charts
2. Dgitized data will be in csv fromat

13. Indicate the data file format(s).

1. CSV
2. TIFF
3. PNG

14. Are the data files compressed?

No

15. Provide details on how the files are named and how they are organized (e.g., file_name_pattern_YYYYMM.tar in monthly aggregations).

NNNNNN_YYYY-MM-DD_nnnn,jpg where NNNNNN is a station number, YYYY-MM-DD are the year-month-and day, nnnnis a sequential number generated by the imaging camera.

16. Explain how to access sample data files and/or a file listing for previewing. If it is not available now, when will it be available?

may be available 12-31-2016

17. What is the total data volume to be submitted?

Historic Data: all historic data or data submitted as a completed collection.

Total Data Volume: 6GB
Number of Data Files: 25000

18. Are later updates, revisions or replacement files anticipated? If so, explain the conditions for submitting these additional data to the archive.

Malawi NHMS personnel will provide additional images and paper records for digitization.

19. Describe the server that will connect to the ingest server at NCEI for submitting the data.

Physical Location: 901 Main St., Deale, Maryland 20751 USA
System Name: IEDRO Data Server
System Owner: IEDRO > International Environmental Data Rescue Organization
Additional Information:

20. What are the possible methods for submitting the data to NCEI? Select all that apply.

1. FTP PULL
2. FTP PUSH

21. Identify how you would like NCEI to distribute the data. Web access support depends on the resources available for the dataset.

1. Unknown
2. Direct download links

22. Will there be any distribution, usage, or other restrictions that apply to the data in the archive?

No known constraints apply to the data.

23. Discuss the rationale for archiving the dataset and the anticipated benefits. Mention any risks associated with not archiving the dataset at NCEI.

Deteriorating paper records are saved electronically and provided to other organizations for analysis.

24. Are the data archived at another facility or are there plans to do so? Please explain.

Malawi NHMS will have the original paper and imaged records.

25. Is there an existing agreement or requirement driving this request to archive? Have you already contacted someone at NCEI?

No

26. Do you have a data management plan for your data?

No

27. Have funds been allocated to archive the data at NCEI?

No

28. Identify the affiliated research project, its sponsor, and any project/grant ID as applicable.

N/A

29. Is there a desired deadline for NCEI to archive and provide access to the data?

No deadlines for archive or access.

30. Add any other pertinent information for this request.

None